

Math 10 Worksheet – Markup and Sale Prices (Sections 1.3 & 1.4)

Assignment questions: #1,2,3,5,8,9,13,14

#1 Convert the following to decimals:

- a. 78% b. 93% c. 125% d. 1.2%

#2 Calculate the following percentages:

- a. 15% of 300 b. 175% of 24 c. 0.3% of 175

#3 Calculate what percentage the first number is of the second (to the nearest tenth):

- a. 65 out of 325 b. 135 out of 405 c. 625 out of 50

#4 Marco buys a certain brand of shampoo from a supplier at \$7.25 per bottle. He sells it to his customers at a markup of 25%. What would the markup be?

#5 What should Max charge for a package of paper plates in his store if he bought them for \$9.00 and wants to make a 75% profit?

#6 What would you have to pay for a jacket that is listed at \$99.95 if you live in Nunavut, where the only tax is 5% GST?

#7 Calculate the HST (12%) on a return flight from Cranbrook, BC to Vancouver, BC that costs \$372.00.

#8 The markup on a restaurant meal is 250%. A meal costs \$7.25 to produce. How much will the customer be charged, after markup and 5% GST are applied?

#9 Calculate the following percentages:

- a. 5% of 72 b. 152% of 200 c. $6\frac{3}{4}\%$ of 700

#10 Garth buys snow tires from a dealer in Thunder Bay, ON. The tires cost \$79.00 each. To make a profit, he must mark them up 40%. How much must a customer pay for 4 tires if there is a 12% HST on the final sale?

#11 If the sale price is 25% off, what will you save if you buy a sofa regularly priced at \$999.97?

#12 Normally Chiu charges \$75.00 to paint a room. However, if he paints 3 or more rooms for you, he gives you a 15% discount. How much will he charge if he paints 4 rooms for you?

#13 Nicole wants to buy a coat originally priced at \$249.95. It is on sale at 25% off. How much will she pay if 5% GST and 5% PST are charged?

#14 A furniture store offers a "Closing Out Sale: Everything 80% Off."

a. How much will you pay for a bedroom suite that originally cost \$2989.97 if GST is 5% and PST is 7%?

b. What are your total savings on this purchase?